

Docket No.: 070456-0119

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	:	Customer Number: 20277
	:	
Takeshi HIKATA	:	Confirmation Number: 7075
	:	
Application No.: 10/590,011	:	Group Art Unit: 1712
	:	
Filed: August 21, 2006	:	Examiner: HORNING, Joel G.
	:	
For: CATALYST STRUCTURE AND METHOD OF MANUFACTURING CARBON NANOTUBE USING THE SAME		

REPLY BRIEF

Mail Stop Appeal Brief - Patents
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

The following Remarks are respectfully submitted in response to issues raised in the Examiner's Answer dated November 16, 2011, pursuant to 37 C.F.R. § 41.43(b).

REMARKS

Delzeit does not remotely suggest the claimed structure

Delzeit does not suggest the claimed assembly of a plurality of catalyst structures because Delzeit does not suggest the **catalyst structure is shaped as a pipe** with its even upper surface serving as a crystal growth surface, the catalyst structure including a catalytic material that forms a ring corresponding to a carbon nanotube on the crystal growth surface, and **at least part of a side of the structure shaped as a pipe has a non-catalytic material** with substantially no catalytic activity with respect to a growth of the crystalline carbon, as required by claim 1.